

CLAIMS

WHAT IS CLAIMED IS:

1. A heat-equalizing device for use in transferring heat from comparatively hotter areas to comparatively colder areas, said heat-equalizing device comprising:
 - a layer of insulating material;
 - graphite fibers in said layer of insulating material; and
 - a contact surface formed by said graphite fibers and said insulating material, with said graphite fibers being sufficiently exposed in said contact surface and being of sufficient length to extend between the hotter and colder areas, for transferring heat along said fibers from the hotter areas to the colder areas.
2. The heat-equalizing device of claim 1, including a carrier for holding said layer of insulating material.
3. The heat-equalizing device of claim 2, said carrier having an air pocket adjacent said layer of insulating material.
4. The heat-equalizing device of claim 1, said contact surface being curved for disposition against a surface of a roll.
5. The heat-equalizing device of claim 1, said contact surface being flat.
6. The heat-equalizing device of claim 1, at least some of said graphite fibers being curved between one end thereof and the other end thereof.

7. The heat-equalizing device of claim 1, said insulating material being one of Teflon, glass, ceramic and rubber.
8. The heat-equalizing device of claim 7, including a carrier for holding said layer of insulating material.
9. The heat-equalizing device of claim 8, said carrier having air pockets adjacent said layer of insulating material.
10. The heat-equalizing device of claim 8, said contact surface being curved for disposition against a surface of a roll.
11. The heat-equalizing device of claim 8, said contact surface being flat.
12. The heat-equalizing device of claim 8, at least some of said graphite fibers being curved between one end thereof and the other end thereof.
13. The heat-equalizing device of claim 1, said graphite fibers being substantially linear in said insulating material.
14. A heat-transferring device, comprising:
 - a layer of graphite fibers;
 - insulating material substantially surrounding said fibers and leaving an exposed surface of fibers; and
 - a carrier holding said layer of insulating material surrounding said fibers.

15. The heat-transferring device of claim 14, said exposed surface being curved for disposition against a curved surface of a heated body.
16. The heat-transferring device of claim 14, said exposed surface being flat.
17. The heat-transferring device of claim 14, at least some of said graphite fibers being curved between one end thereof and the other end thereof.
18. The heat-transferring device of claim 14, said insulating material being one of Teflon, glass, ceramic and rubber.
19. The heat-transferring device of claim 14, said fibers being substantially straight in said layer of said insulating material.
20. A heated structure comprising:
 - a heated body having a heated surface;
 - a heat-equalizing device adjacent said heated body, said device including:
 - a layer of insulating material;
 - graphite fibers in said layer of insulating material; and
 - a contact surface formed by said insulating materials and said fibers, with said graphite fibers being sufficiently exposed along said contact surface for transferring heat therethrough, and said contact surface being disposed in contact with said heated surface.